Vol. 197 No. 1/2

GENE

AN INTERNATIONAL JOURNAL ON GENES AND GENOMES

15 September 1997

CONTENTS

Joshi, L., St. Leger, R.J. and Roberts, D.W. 1–8
Isolation of a cDNA encoding a novel subtilisin-like protease (Pr1B) from the entomopathogenic fungus, *Metarhizium anisopliae* using differential display-RT-PCR

Fani, R., Tamburini, E., Mori, E., Lazcano, A., Liò, P., Barberio, C., Casalone, E., Cavalieri, D., Perito, B. and Polsinelli, M. 9–17
Paralogous histidine biosynthetic genes: evolutionary analysis of the *Saccharomyces cerevisiae HIS6* and *HIS7* genes

Kang, J.S., Lee, H.B., Rhee, S.G., Park, K. and Yoo, O.J. 19–28
The 5′-upstream region of the rat phospholipase C-β3 gene contains two critical Sp1 sites and an HIV Inr-like element

Viggiano, L., Caggese, C., Barsanti, P. and Caizzi, R. 29–35
Cloning and characterization of a copy of *Tirant* transposable element in *Drosophila melanogaster*

Yin, X.-H., Gagnat, J., Gerbaud, C., Guérineau, M. and Virolle, M.-J. 37–45
Cloning and characterization of a new α-amylase gene from *Streptomyces lividans* TK24

Hardham, J.M., Stamm, L.V., Porcella, S.F., Frye, J.G., Barnes, N.Y., Howell, J.K., Mueller, S.L., Radolf, J.D., Weinstock, G.M. and Norris, S.J. 47–64
Identification and transcriptional analysis of a *Treponema pallidum* operon encoding a putative ABC transport system, an iron-activated repressor protein homolog, and a glycolytic pathway enzyme homolog

Hiraoka, Y., Komatsu, N., Sakai, Y., Ogawa, M., Shiozawa, M. and Aiso, S. 65–71
XLS13A and *XLS13B: SRY*-related genes of *Xenopus laevis*

Lievens, P.M.J., Tufarelli, C., Donady, J.J., Stagg, A. and Neufeld, E.J. 73–81
CASP, a novel, highly conserved alternative-splicing product of the CDP/*cut*/*cux* gene, lacks cut-repeat and homeo DNA-binding domains, and interacts with full-length CDP in vitro

Ramage, A.D., Clark, J.A., Smith, A.G., Mountford, P.S. and Burt, D.W. 83–89
Improved EBV-based shuttle vector system: dicistronic mRNA couples the synthesis of the Epstein–Barr nuclear antigen-1 protein to neomycin resistance

Hoffmann-Sommergruber, K., Vanek-Krebitz, M., Radauer, C., Wen, J., Ferreira, F., Scheiner, O. and Breiteneder, H. 91–100
Genomic characterization of members of the Bet v 1 family: genes coding for allergens and pathogenesis-related proteins share intron positions

Williams, S., Hayes, L., Elsenboss, L., Williams, A., Andre, C., Abramson, R., Thompson, J.F. and Milos, P.M. 101–107
Sequencing of the cholesteryl ester transfer protein 5′ regulatory region using artificial transposons

Tebeau, C.M. and Jahn, C.L. 109–113
Sequence and transcript analysis of macronuclear histone *H2B* genes from *Euplotes crassus*

Ouyang, P., Zhen, Y.-Y. and Sugrue, S.P. 115–120
Cloning and analysis of cDNA encoding murine pinin

Wakabayashi, N., Suzuki, A., Hoshino, H., Nishimori, K. and Mizuno, S. 121–127
The cDNA cloning and transient expression of a chicken gene encoding a follicle-stimulating hormone receptor

Yoshikawa, H., Nagai, H., Oh, K.S., Tamai, S., Fujiyama, A., Nakanishi, T., Kajiyama, G. and Matsubara, K. 129–135
Chromosome assignment of aberrant *Not*I restriction DNA fragments in primary hepatocellular carcinoma

Oki, M., Kakikawa, M., Nakamura, S., Yamamura, E.-T., Watanabe, K., Sasamoto, M., Taketo, A. and Kodaira, K.-I. 137–145
Functional and structural features of the holin HOL protein of the *Lactobacillus plantarum* phage ϕg1e: analysis in *Escherichia coli* system

Mouchel, N., Trichet, V., Naimi, B.Y., Le Pennec, J.P. and Wolff, J. 147–152
Structure of a fish (*Oncorhynchus mykiss*) vitellogenin gene and its evolutionary implication

Lee, V.D., Finstad, S.L. and Huang, B. 153–159
Cloning and characterization of a gene encoding an actin-related protein in *Chlamydomonas*

Dmitrenko, V., Garifulin, O. and Kavsan, V. ... 161–163
Isolation and sequence analysis of the cDNA encoding subunit C of human CCAAT-binding transcription factor

Amemura-Maekawa, J. and Watanabe, H. 165–168
Cloning and sequencing of the *dnaK* and *grpE* genes of *Legionella pneumophila*

Takiguchi, S., Takata, Y., Funakoshi, A., Miyasaka, K., Kataoka, K., Fujimura, Y., Goto, T. and Kono, A. 169–175
Disrupted cholecystokinin type-A receptor (*CCKAR*) gene in OLETF rats

Finger, L.R., Pu, J., Wasserman, R., Vibhakar, R., Louie, E., Hardy, R.R., Burrows, P.D. and Billips, L.G. 177–187
The human PD-1 gene: complete cDNA, genomic organization, and developmentally regulated expression in B cell progenitors

Park, J.B. and Levine, M. 189–193
The human glutaredoxin gene: determination of its organization, transcription start point, and promoter analysis

Chluba-de Tapia, J., de Tapia, M., Jäggin, V. and Eberle, A.N. 195–204
Cloning of a human multispanning membrane protein cDNA: evidence for a new protein family

Cao, W., Lu, J. and Barany, F. 205–214
Nucleotide sequences and gene organization of *Taq*I endonuclease isoschizomers from *Thermus sp.* SM32 and *Thermus filiformis* Tok6A1

(*continued on inside back cover*)

0378-1119(19970915)197:1-2;1-1

The table of contents of *Gene* is included in ESTOC — Elsevier Science Tables of Contents service — which can be accessed on the World Wide Web at the following URL addresses:
http://www.elsevier.nl/locate/estoc or
http://www.elsevier.com/locate/estoc

Contents (*cont.*)

Miano, J.M., Krahe, R., Garcia, E., Elliott, J.M. and Olson, E.N. 215–224
Expression, genomic structure and high resolution mapping to 19p13.2 of the human smooth muscle cell calponin gene

Griffiths, R. and Korn, R.M. 225–229
A *CHD1* gene is Z chromosome linked in the chicken *Gallus domesticus*

Smania, A.M. and Argaraña, C.E. 231–238
Molecular cloning and characterization of a cDNA encoding a bovine butanediol dehydrogenase

Haouazine-Takvorian, N., Tymowska-Lalanne, Z., Takvorian, A., Tregear, J., Lejeune, B., Lecharny, A. and Kreis, M. 239–251
Characterization of two members of the *Arabidopsis thaliana* gene family, *Atβfruct3* and *Atβfruct4*, coding for vacuolar invertases

Cheng, A.-J. and Van Dyke, M.W. 253–260
Oligodeoxyribonucleotide length and sequence effects on intramolecular and intermolecular G-quartet formation

Kudo, T. and Sutou, S. 261–268
Molecular cloning of chicken FTZ-F1-related orphan receptors

Kouprina, N., Graves, J., Cancilla, M.R., Resnick, M.A. and Larionov, V. 269–276
Specific isolation of human rDNA genes by TAR cloning

Masuda, I., Halligan, B.D., Barbieri, J.T., Haas, A.L., Ryan, L.M. and McCarty, D.J. 277–287
Molecular cloning and expression of a porcine chondrocyte nucleotide pyrophosphohydrolase

Akira, T., Komatsu, M., Nango, R., Tomooka, A., Konaka, K., Yamauchi, M., Kitamura, Y., Nomura, S. and Tsukamoto, I. 289–293
Molecular cloning and expression of a rat cDNA encoding 5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase

Rhodes, L.D. and Van Beneden, R.J. 295–304
Isolation of the cDNA and characterization of mRNA expression of ribosomal protein S19 from the soft-shell clam, *Mya arenaria*

Haas, N.B., Grabowski, J.M., Sivitz, A.B. and Burch, J.B.E. 305–309
Chicken repeat 1 (CR1) elements, which define an ancient family of vertebrate non-LTR retrotransposons, contain two closely spaced open reading frames

Lira, S.A. and Friedman, A.D. 311–314
The myeloperoxidase gene proximal enhancer directs hematopoietic-specific expression in transgenic mice

Fyrberg, C., Becker, J., Barthmaier, P., Mahaffey, J. and Fyrberg, E. 315–323
A *Drosophila* muscle-specific gene related to the mouse *quaking* locus

Ling, M., Merante, F., Chen, H.-S., Duff, C., Duncan, A.M.V. and Robinson, B.H. 325–336
The human mitochondrial elongation factor tu (*EF-Tu*) gene: cDNA sequence, genomic localization, genomic structure, and identification of a pseudogene

Schneider, S., Georgiev, O., Buchert, M., Adams, M.T., Moelling, K. and Hovens, C.M. 337–341
An epitope tagged mammalian/prokaryotic expression vector with positive selection of cloned inserts

Khoudi, H., Vézina, L.-P., Mercier, J., Castonguay, Y., Allard, G. and Laberge, S. 343–351
An alfalfa rubisco small subunit homologue shares *cis*-acting elements with the regulatory sequences of the RbcS-3A gene from pea

Rina, M., Caufrier, F., Markaki, M., Mavromatis, K., Kokkinidis, M. and Bouriotis, V. 353–360
Cloning and characterization of the gene encoding *Psp*PI methyltransferase from the Antarctic psychrotroph *Psychrobacter* sp. strain TA137. Predicted interactions with DNA and organization of the variable region

Kulmburg, P., Radke, M., Mezes, B., Mertelsmann, R. and Rosenthal, F.M. 361–365
Cloning and sequence analysis of the immediate promoter region and cDNA of porcine granulocyte colony-stimulating factor

Ahmed, A. and Podemski, L. 367–373
Use of ordered deletions in genome sequencing

De Bellis, L., Ismail, I., Reynolds, S.J., Barrett, M.D. and Smith, S.M. 375–378
Distinct *cis*-acting sequences are required for the germination and sugar responses of the cucumber isocitrate lyase gene

Singer, J.B. and Lengyel, J.A. 379–382
Expression and sequence analysis of the *Drosophila* blastoderm-specific gene *bsg25A*

Takahashi, H., Mercken, M., Nakazato, Y., Noguchi, K., Murayama, M., Imahori, K. and Takashima, A. 383–387
Cloning of cDNA and expression of the gene encoding rat presenilin-2

Bao, Y., Yang, B.-Z., Dawson Jr, T.L. and Chen, Y.-T. 389–398
Isolation and nucleotide sequence of human liver glycogen debranching enzyme mRNA: identification of multiple tissue-specific isoforms

Tagashira, S., Harada, H., Katsumata, T., Itoh, N. and Nakatsuka, M. 399–404
Cloning of mouse FGF10 and up-regulation of its gene expression during wound healing

Dumora, C., Marche, M., Doignon, F., Aigle, M., Cassaigne, A. and Crouzet, M. 405–412
First characterization of the phosphonoacetaldehyde hydrolase gene of *Pseudomonas aeruginosa*

Corrigenda

Marshall, B., Isidrio, G. and Boavida, M.G. 413
Corrigendum to: Insertion of a short Alu sequence into the hMSH2 gene following a double crossover next to sequences with chi homology [Gene 174 (1996) 175–179]

Seifert, H.S... 415
Corrigendum to: 'Insertionally inactivated and inducible *recA* alleles for use in *Neisseria*' [Gene 188 (1997) 215–220]

Author Index Vol. 197 (1997) 417–420

GENE-COMBIS

CONTENTS

Selkov, E., Maltsev, N., Olsen, G.J., Overbeek, R. and Whitman, W.B. GC11–GC26
A reconstruction of the metabolism of *Methanococcus jannaschii* from sequence data